

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 11/07/2017 11:11 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124948	-1	2.00	124773	1.97
Blue	F	SSC	125000	123099	-2	3.11	123484	2.97
Blue	E	FITC	23615	22710	-4	3.01	1008	10.70
Blue	D	PE	26739	26117	-3	2.64	936	10.05
Blue	B	PerCP-Cy5-5	48339	47257	-3	3.78	1358	17.32
Blue	A	PE-Cy7	45021	44262	-2	5.37	682	36.35
Red	C	APC	53064	51807	-3	2.83	2995	9.60
Red	A	APC-Cy7	57175	56164	-2	2.73	1164	11.54
Violet	B	V450	14728	14112	-5	5.57	678	9.68
Violet	A	V500	58621	57245	-3	5.41	2537	7.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19365	3.40	610	-4	N/A	N/A	Pass
Blue	F	SSC	60260	2.32	546	0	N/A	N/A	Pass
Blue	E	FITC	115	37.49	548	0	0.0191	37	Pass
Blue	D	PE	205	28.70	538	2	0.1516	200	Pass
Blue	B	PerCP-Cy5-5	213	46.04	636	1	0.0097	100	Pass
Blue	A	PE-Cy7	72	124.00	695	2	0.0114	16	Pass
Red	C	APC	347	28.26	600	3	0.0196	70	Pass
Red	A	APC-Cy7	128	41.41	584	4	0.0051	1577	Pass
Violet	B	V450	82	40.43	471	1	0.0463	1664	Pass
Violet	A	V500	186	21.94	499	2	0.0160	410	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.96	-31.34	0.84
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.20	13.27 - 19.91	N/A	N/A	31.40	31.91	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15393

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments